

Serial No. 10/602,114
60246-213
10646

REMARKS

Claims 1-3, 13, 25 and 26 are rejected under 35 U.S.C. 103(a) as being unpatentable over Kampf (U.S. Patent No. 6,073,457) in view of Lorentzen. Claim 1 has been amended to include the features of claim 8, which the Examiner has indicated as allowable. Claim 11 is objected to as depending upon a rejected base claim, but the Examiner indicated that this claim would be allowable if rewritten in independent form to include the features of the base claim and any intervening claims. Claim 11 has been rewritten in independent form to include the features of base claim 1. Claims 2, 3, 13 and 26 have been amended to depend on allowable claim 6. The rejection has been overcome for claims 1-3, 13 and 26.

Claim 25 is also not obvious in view of Kampf over Lorentzen. Kampf does not disclose a method of regulating a coefficient of performance of a transcritical vapor compression system including the step of decreasing a speed of an airflow that exchanges heat with a refrigerant in an evaporator when an airflow temperature is above a threshold value. In Kampf, an outside temperature sensor 50 detects the temperature of outdoor air and supplies it to a control device 34. However, Kampf does not disclose that the speed of the airflow is decreased when the temperature sensor 50 detects that the outdoor temperature is above a threshold temperature as claimed. Lorentzen also does not disclose this feature. Therefore, the combination does not disclose, suggest or teach the claimed invention. Claim 25 is not obvious, and Applicant respectfully request that the rejection be withdrawn.

Thus, claims 1-3, 6, 7, 9-13, 25 and 26 are in condition for allowance. The Commissioner is authorized to charge Deposit Account No. 03-0835, in the name of Carrier Corporation, \$200.00 for one additional independent claim. No additional fees are seen to be required. If any additional fees are due, however, the Commissioner is authorized to charge Deposit Account No. 50-1482, in the name of Carlson, Gaskey & Olds, P.C., for any additional fees or credit the account for any overpayment. Therefore, favorable reconsideration and allowance of this application is respectfully requested.

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Respectfully Submitted,

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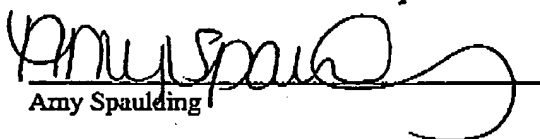


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CERTIFICATE OF FACSIMILE

I hereby certify that this correspondence is being facsimile transmitted to the United States Patent and Trademark Office, (703) 872-9306 on May 25, 2005.


Amy Spaulding